TravelPilot | **Navigation** | **Radio/CD**

TravelPilot E1/E2

Installation instructions

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Installation instructions

⚠ Safety notices

Please observe the following safety notices during installation and whilst making the connections.

- Disconnect the negative terminal of the battery! When doing so, please observe the safety notices provided by the vehicle manufacturer.
- When drilling holes, always make sure that none of the vehicle's components can be damaged in the process.
- The cross section of the positive and negative cables must be at least 1.5 mm^2.
- **Do not connect** any of the vehicle's plugs directly to the TravelPilot!
- You can obtain the adapter cables required for your vehicle type from your Blaupunkt dealer.
- Depending on the vehicle model, the conditions in your vehicle may differ from the description provided here. We do not accept liability for any damages caused by mistakes made during installation or when making connections or for any consequential damages.

  If these instructions are not suitable for your particular installation, please contact your Blaupunkt dealer, your vehicle manufacturer or our telephone hotline.
- Battery voltage 10.5-14.4 V
- Negative terminal on the vehicle body

Notices on correct functioning

To ensure the navigation system functions correctly, it is very important that you calibrate it after installation (see operating instructions / Setup - Basic settings / Installation).
The system uses its connection with the vehicle's speedometer signal to determine the distance driven along the route. **If there is no speedometer signal available**, an odometer must be fitted by an authorized customer service centre.
In this case, you must purchase a sensor kit (odometer, magnetic strip, installation bracket and plug) from your dealer. Order no. 7 607 611 093

1. Electrical connection

1.1 Electrical connection to the vehicle-specific plugs

If your car radio connection in your vehicle has already been fitted at the factory with 10 A fuse protection (see operating instructions or your vehicle's fuse box), you will additionally need the **vehicle-specific adapter cable** (see Fig. 1).

⚠ A vehicle-specific adapter cable must also be used even in vehicles that are already fitted with ISO plugs.

2. Loudspeaker connection

2.1 Loudspeaker connection to standard ISO plug

The loudspeaker connection is made in chamber B (see Fig. 2).

If the vehicle is **prefitted for a passive installation** (with 4-ohm loudspeakers), you can convert the ISO plug that is present in the vehicle. If required, you can extend it using the ISO cable (Order no. 7 607 647 093).

If the vehicle is **prefitted for an active installation**, you can obtain special adapter cables from your dealer.

3. Antenna installation

3.1 Radio antenna

In the case of vehicles that have been prefitted (e.g. VW, Seat, Audi), the supply voltage for the antenna is provided via the antenna cable (see the vehicle's operating instructions). If you want to replace the original equipment radio with a standard radio, you must obtain an antenna supply diplexer (Order no. 7 691 290 202) or the adapter cable (Order no. 7 607 621 129) from your dealer.

You will find details on installing and connecting the antenna in the antenna installation instructions.

After carrying out the installation, plug the antenna cable into the socket designated for this on the TravelPilot (see Fig. 3).

3.2 GPS antenna (satellite navigation)

You will find details on installing and connecting the antenna in the supplied antenna installation instructions.

You must take the following into account if installing the GPS antenna inside the vehicle:

The antenna requires a clear view of as large an area of the sky as possible. For this reason, the dashboard provides a suitable installation position directly behind the windscreen, as long as the windscreen has no metallic coating and the windscreen wipers do not block the view.

The antenna should be installed in the middle of the dashboard at a distance of at least 2 cm from the windscreen.

Note: Despite these recommendations, installing the GPS antenna inside the vehicle is still unfavourable. For this reason, no guarantee can be given that the system will function correctly.

After carrying out the installation, plug the SMB plug into the socket designated for this on the TravelPilot (see Fig. 3).

4. TravelPilot installation

The **TravelPilot** is installed in the car radio compartment designated by the vehicle manufacturer.

For vehicles that do not have a DIN compartment: Blaupunkt supplies vehicle-specific installation kits (for 50/52 mm devices) for the most common vehicle models. Therefore, please check the situation inside the vehicle as regards installation and, if necessary, use a vehicle-specific installation kit to carry out the installation.

4.1 Fitting the installation bracket

The installation bracket that comes with this TravelPilot allows the TravelPilot to be installed in vehicles fitted with a DIN-size car radio compartment (182 x 53 x 165 mm) and a dashboard thickness near the mounting tabs of 1-20 mm (see Fig. 4). To install, you must insert the mounting bracket into the compartment and check which securing tabs on the bracket can be bent over using a screwdriver (see Fig. 4a).

Note: Bend over as many of the securing tabs as possible.

4.2 Installing the TravelPilot in the installation compartment

All plugs must be pushed into the chambers until the side clips click into place.

Caution! Before inserting the TravelPilot completely, you must first level out the gyro (see Fig. 6).

Caution! TravelPilot installation position: right / left: min. -5° / max. +5°, front to back: min. -10° / max. +30°.

Slide the device 1/3 of its length into the installation compartment.

Undo the gyroscope screw.

Use the hexagonal wrench to adjust the position of the gyroscope so that the marker is in a vertical position and forms a 90° angle with the horizontal.

Tighten the gyroscope screw again.

Now, by gently pressing on both ends of the frame, push the TravelPilot in until the side spring latches on the left and right lock into place (you will hear a clear clicking sound).

Caution! When pushing in the device, do not press on the display or any of the buttons or switches!

4.3 Removing the TravelPilot

Detach the control panel. You must now insert the stirrups into the designated holes on the left and right of the surround panel and push them in until you hear a clear clicking sound (side springs unlocked). Now carefully pull on the two stirrups to extract the TravelPilot. The connecting cables can now be disconnected by pressing on the sides of the clips on the respective plug-and-socket connections (see Fig. 5).

Note: The clipped in stirrups can only be detached after the TravelPilot has been pulled out.

4.4 Connecting the reversing light signal

Lay a cable from the reversing light to pin 3 of chamber A (see Fig. 8). You must make sure that +12 V are present at the connection when the vehicle reverses.

Note: If it is not possible to connect to the reversing light, you must connect pin 3 to earth. This might lead to navigation inaccuracy since the TravelPilot will not be able to detect whether the vehicle is reversing.

Caution! We do not accept liability for incorrect connections and their consequences.

4.5 Connecting the speedometer signal

The connection is made using a cable from the vehicle-specific speedometer signal connection to pin 1 of chamber A (see Fig. 8).

Caution! This connection should be carried out by one of the vehicle manufacturer's authorized workshops.

Caution! We do not accept liability for incorrect connections and their consequences.

5. Sensor test

After carrying out the installation, you should test the connected sensors using the sensor test (see operating instructions / Setup - Basic settings / Installation).

6. Connection diagrams

Electrical connection to the vehicle-specific plugs ..... Fig. 1
Loudspeaker connection (4 x 4 Ω/35 W) ..... Fig. 2
Antenna connection ..... Fig. 3
TravelPilot installation ..... Fig. 4/4a
Removing the TravelPilot ..... Fig. 5
Gyro adjustment ..... Fig. 6
Connection configuration ..... Fig. 7
Assignment of connections, chamber A. ..... Fig. 8

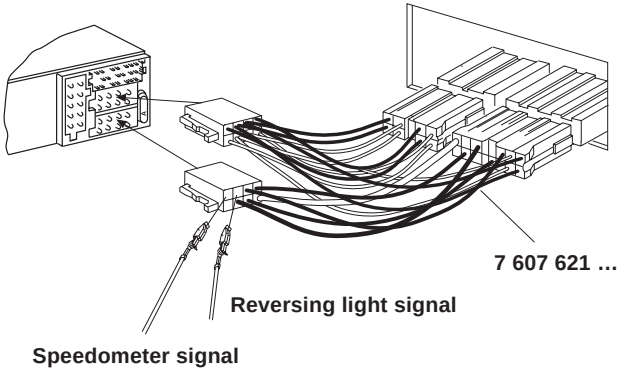


Fig. 1

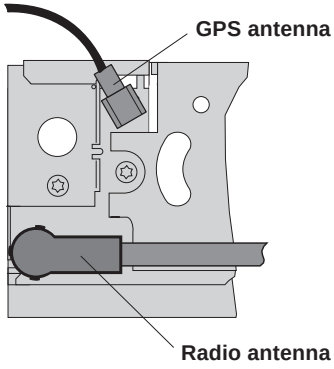


Fig. 3

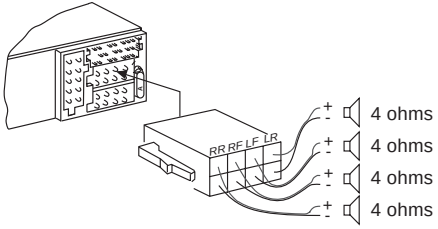


Fig. 2

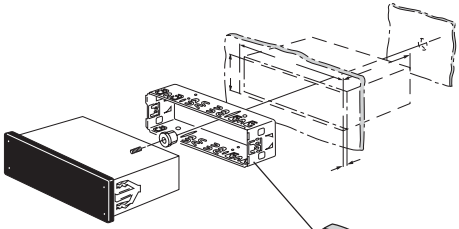


Fig. 4

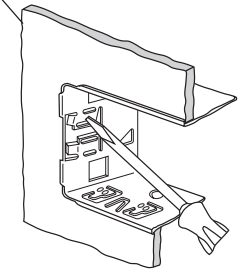


Fig. 4a

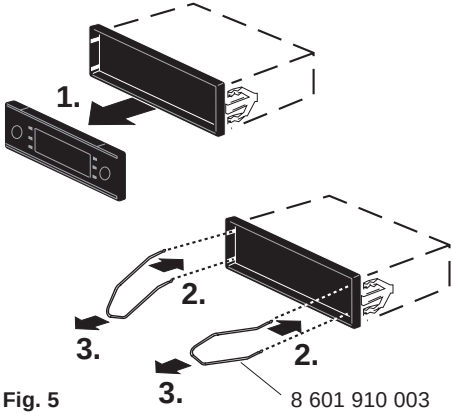
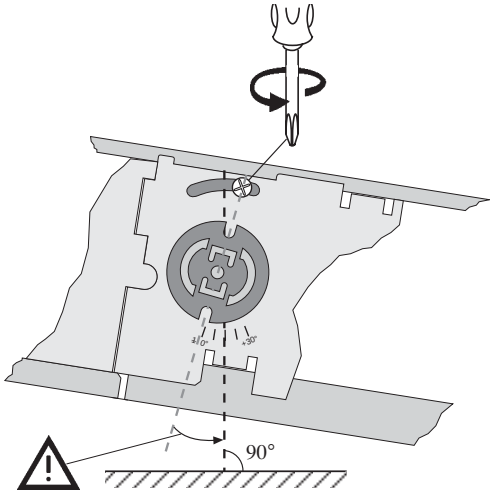


Fig. 5

8 601 910 003



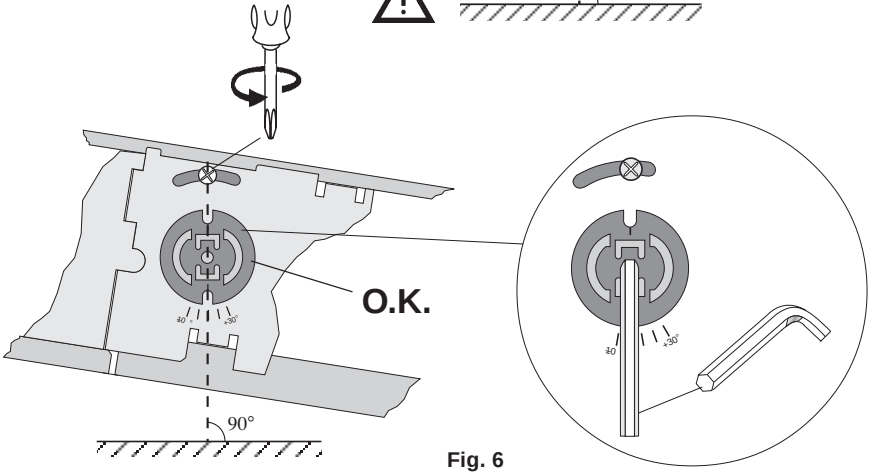
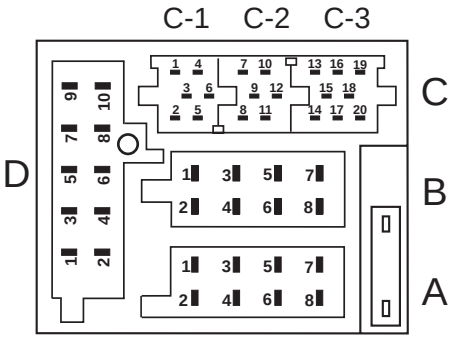


Fig. 6



A	
1	Gala/speedometer
2	Telephone mute (active low)
3	Reversing light signal
4	Continuous positive (terminal 30)
5	Autom. antenna*
6	Illumination
7	Ignition (terminal 15)
8	Ground

B	
1	Loudspeaker RR+
2	Loudspeaker RR-
3	Loudspeaker RF+
4	Loudspeaker RF-
5	Loudspeaker LF+
6	Loudspeaker LF-
7	Loudspeaker LR+
8	Loudspeaker LR-

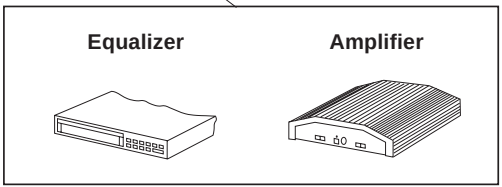
D	
1	—
2	—
3	—
4	—
5	—
6	—
7	Sensor
8	—
9	Sensor
10	—

Wheel sensor

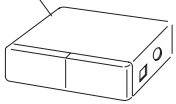
C

C1		C2		C3	
1	Line out LR	7	Telephone / Navigation AF IN +	13	CDC data - IN
2	Line out RR	8	Telephone / Navigation AF IN –	14	CDC data - OUT
3	Line out GND	9	Radio / Navigation Mute (active low)	15	+12 V continuous positive
4	Line out LF	10	+12 V switched*	16	+12 V switched*
5	Line out RF	11	Remote control - IN	17	CDC data - GND
6	+12 V switched*	12	Remote control - GND	18	CDC AF - GND
				19	CDC AF - L
				20	CDC AF - R

* Sum total 400 mA

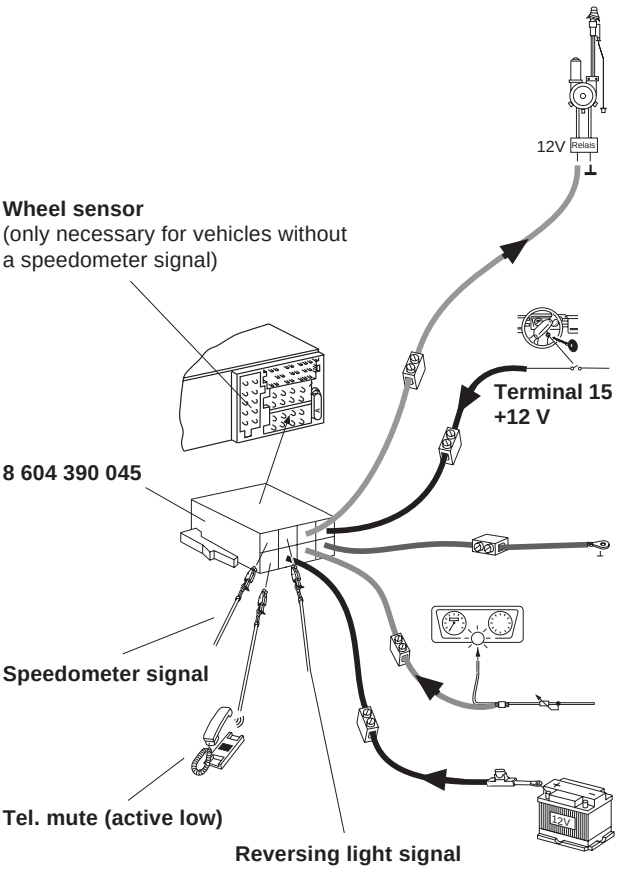


RC 10



CD changer

Fig. 7



Control cable (power antenna +)
The control cable is the **switched positive output** for external components, e.g. electric antenna (maximum load < 150 mA).
Caution! You must not connect the control cable to terminal 15 (positive switched) or terminal 30 (continuous positive).

Positive connection (switched via the ignition)

This connection **must** be connected in such a way that it is **switched via the ignition** (terminal 15, +12 V).

Earth/ground connection
Do not connect the earth cable (min. cross section 1.5 mm^2) to the negative terminal of the battery.
Lay the ground cable to a suitable earth connection point (e.g. a bolt connected to the car body / sheet metal of the car body) and screw it in place.

Illumination connection
Illumination connection for vehicles with an adjustable instrument illumination (regulated positive).

Continuous positive connection (connection terminal 30, battery +12 V)
Lay the positive cable (cross section min. 1.5 mm^2) to the battery (not directly alongside cable harnesses). **Connect the fuse holder (so as to protect the positive cable)** and then connect it to the positive terminal of the battery.

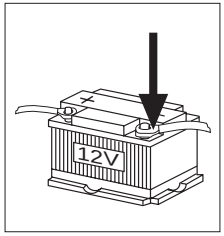


Fig. 8

Subject to changes!

Country:		Phone:	Fax:	www:
Germany	(D)	0180-5000225	05121-49 4002	http://www.blaupunkt.com
Austria	(A)	01-610 39 0	01-610 39 391	
Belgium	(B)	02-525 5444	02-525 5263	
Denmark	(DK)	44 898 360	44-898 644	
Finland	(FIN)	09-435 991	09-435 99236	
France	(F)	01-4010 7007	01-4010 7320	
Great Britain	(GB)	01-89583 8880	01-89583 8394	
Greece	(GR)	210 94 27 337	210 94 12 711	
Ireland	(IRL)	01-4149400	01-4598830	
Italy	(I)	02-369 62331	02-369 62464	
Luxembourg	(L)	40 4078	40 2085	
Netherlands	(NL)	023-565 6348	023-565 6331	
Norway	(N)	66-817 000	66-817 157	
Portugal	(P)	01-2185 00144	01-2185 11111	
Spain	(E)	902-120234	916-467952	
Sweden	(S)	08-7501500	08-7501810	
Switzerland	(CH)	01-8471644	01-8471650	
Czech. Rep.	(CZ)	02-6130 0441	02-6130 0514	
Hungary	(H)	01-333 9575	01-324 8756	
Poland	(PL)	0800-118922	022-8771260	
Turkey	(TR)	0212-335 06 00	0212-346 00 40	

Blaupunkt GmbH

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CE

TravelPilot E1/E2

An overview!

NAV
Short press: Navigation
Long press: Traffic jam and route options

FM·AM
Short press: Radio mode, wavebands FM, MW and LW
Long press: Travelstore function

CD·C
CD mode, CD-changer mode

Rotate: Volume control
Short press: Activate mute
Long press: Switch on/off

1 – 6
Station buttons, Destination memory

TRAF
Short press: Traffic information standby
Long press: View TMC messages

MENU
Setup menu

<
Radio/CD: Search downwards / Skip to the previous track
Navigation: Delete characters

>
Radio/CD: Search upwards / Skip to the next track
Navigation: Jump to the selection list

Opening the release panel

OK
Rotate: For selecting menus and characters, manual station tuning
Short press: Confirm menu items
Long press: Scan function

i
Short press during a navigation session: Display your position and the active destination, Repeat the last voice output
Long press during a navigation session: Route list
Short press when a navigation session is inactive: Display your current position, Display list entries in full

ESC
Close menus, delete characters, cancel navigation